

Claims

[c1] What is claimed is:

1.A display device for displaying images, the display device comprising:

a housing;

an USB port installed in the housing, the USB port for electrically connecting to an electronic device to receive serial data;

a data converter installed in the housing and electrically connected to the USB port, the data converter for converting the serial data to image data;

an image processor installed in the housing and electrically connected to the data converter, the image processor for converting the image data to display data; and

an image generator installed in the housing and electrically connected to the image processor, the image generator for displaying an image on a screen according to the display data.

[c2] 2.The display device of claim 1 wherein the USB port is adapted to connecting to a digital camera through an USB cable.

[c3] 3.The display device of claim 1 wherein the USB port is

adapted to connecting to a digital camcorder through an USB cable.

- [c4] 4.The display device of claim 1 wherein the USB port is adapted to connecting to a memory card reader through an USB cable.
- [c5] 5.The display device of claim 1 wherein the image processor is capable of converting the image data to display data having an RGB888 format.
- [c6] 6.The display device of claim 1 wherein the image processor is capable of converting the image data to display data having a YUV422 format.
- [c7] 7.The display device of claim 1 wherein the image generator comprises:
a scaler electrically connected to the image processor to receive the display data, the scaler for scaling the display data; and
a driver electrically connected to the scaler for generating a driving signal after the scaler has scaled the display data, so as to display the scaled display data on the screen.
- [c8] 8.The display device of claim 7 wherein the image generator further comprises an analog-to-digital converter connected between an external signal source and the

scaler, the analog-to-digital converter for converting analog image data inputted from the external signal source to the display data, so as to transmit the display data to the scaler.

- [c9] 9.The display device of claim 8 wherein the analog-to-digital converter is connected between a personal computer and the scaler.
- [c10] 10.The display device of claim 1 being a projector, the projector further comprising a light source for providing light, so as to project the scaled display data on the screen.
- [c11] 11.The display device of claim 1 being capable of displaying images on a monitor.